

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A power supply apparatus comprising:

a straightforward switch connected in series between a power source and a load, and that supplies or interrupts an electric power output from the power source to the load;

a first single phase ~~inverter/rectifier~~ inverter or rectifier connected in parallel with the series connection of the power source and the straightforward switch;

a second single phase ~~inverter/rectifier~~ inverter or rectifier connected in ~~parallel~~ series with said ~~power source~~ load; and

a battery connected to direct current side terminals of said first and second single phase ~~inverters/rectifiers~~ inverters or rectifiers;

wherein said first and second single phase ~~inverters/rectifiers~~ inverters or rectifiers are connected so as to be connected in series with each other when said straightforward switch is ~~turned off~~ open to thereby each supply ~~[[the]]~~ their respective electric ~~[[power]]~~ powers to the load by ~~superimposing~~ each supplying their respective output voltages to the load.

Claim 2 (Canceled).

Claim 3 (Currently Amended): The power supply apparatus according to claim 1, wherein an either one of the first and second single phase ~~inverters~~ or rectifiers is connected to the battery through a DC-DC converter.

Claim 4 (Currently Amended): The power supply apparatus according to claim 1, wherein the first and second single phase ~~inverters/rectifiers~~ inverters or rectifiers are connected so that their output voltages ~~which~~ are different from each other.

Claim 5 (Currently Amended): The power supply apparatus according to claim 1, wherein the first and second single phase ~~inverters/rectifiers~~ inverters or rectifiers form a pseudo-sinusoidal voltage wave comprising a voltage waveform having a plurality of output levels to output it to the load, by combining their output voltages after decreasing in the system voltage and opening of the straightforward switch.

Claim 6 (Currently Amended): The power supply apparatus according to claim 1, wherein when a power source voltage fluctuates in a normal operating condition, the second single phase ~~inverter/rectifier~~ inverter or rectifier superimposes a voltage for compensating the fluctuation on the power source voltage by controlling a pulse width or voltage value of the output voltage.

Claim 7 (Currently Amended): The power supply apparatus according to claim 3, wherein an either one of the first and second single phase ~~inverters/rectifiers~~ inverters or rectifiers is connected to the battery through a DC-DC converter to give and receive energy through the DC-DC converter between both ~~inverters/rectifiers~~ inverters or rectifiers.

Claim 8 (Currently Amended): The power supply apparatus according to claim 1, wherein the first single phase ~~inverter/rectifier~~ inverter or rectifier is comprised of a plurality of ~~inverters/rectifiers~~ inverters or rectifiers connected in series with each other.

Claim 9 (Currently Amended): The power supply apparatus according to claim 8, wherein at least two of direct current power sources provided to said plurality of single phase

~~inverters/rectifiers~~ inverters or rectifiers constituting said first single phase ~~inverter/rectifier~~ inverter or rectifier have a voltage relationship of 1: 2, or 1:3.

Claim 10 (Currently Amended): The power supply apparatus according to claim 8, wherein said first single phase ~~inverter/rectifier~~ inverter or rectifier is controlled so that a current which compensates reactive power in a normal condition flows through the power source.

Claim 11 (Currently Amended): The power supply apparatus according to claim 8, wherein said second single phase ~~inverter/rectifier~~ inverter or rectifier is PWM-controlled so that the direct current voltage of the second single phase ~~inverter/rectifier~~ inverter or rectifier is 0.5 or more times the direct current voltage of the single phase ~~inverter/rectifier~~ inverter or rectifier generating a lowest voltage out of a plurality of the ~~inverters/rectifiers~~ inverters or rectifiers constituting the first single phase ~~inverter/rectifier~~ inverter or rectifier.

Claim 12 (Currently Amended): The power supply apparatus according to claim 1, wherein the direct current voltage of said second single phase ~~inverter/rectifier~~ inverter or rectifier is changed by said second DC-DC converter according to an amount of decreased or increased power source voltage.

Claims 13-14 (Canceled).

Claim 15 (Previously Presented): The power supply apparatus according to claim 1, wherein said straightforward switch is constituted by a mechanical switch or semiconductor switch.

Claim 16 (Currently Amended): The power supply apparatus according to claim 9, wherein said first single phase ~~inverter/rectifier~~ inverter or rectifier is controlled so that a current which compensates reactive power in a normal condition flows through the power source, switch, and load.

Claim 17 (Previously Presented): The power supply apparatus according to claim 9, further comprising:

a voltage drop detector to detect if a system voltage from said power source abnormally drops in magnitude, and to open said switch when an abnormal system voltage drop is detected.

Claim 18 (Currently Amended): A power supply unit comprising:

a straightforward switch connected in series between a power source and a load, and that supplies or interrupts an electric power output from the power source to the load;

a first single phase ~~inverter/rectifier~~ inverter or rectifier connected in parallel with the series connection of the power source and the straightforward switch;

a second single phase ~~inverter/rectifier~~ inverter or rectifier connected in series with the power source;

a battery connected to direct current side terminals of said first and second single phase ~~inverter/rectifiers~~ inverters or rectifiers; and

a DC-DC converter connected between the battery and at least one of said first and second single phase ~~inverter/rectifiers~~ inverters or rectifiers, wherein the first and second single phase ~~inverter/rectifiers~~ inverters or rectifiers generate output voltages different from

each other and are connected so that each of their output voltages are applied to the load
when the straightforward switch is open ~~superimposed on each other.~~

Claim 19 (Currently Amended)): A power supply apparatus according to claim 18,
wherein said first single phase ~~inverter/rectifier~~ inverter or rectifier forms a pseudo-sinusoidal
voltage wave comprising a waveform having a plurality of output levels to output to the load
after decreasing in the system voltage and opening of the straightforward switch.